



# Ojo™ (PVP-1000) Personal Video Phone

## *Redefining Video Telephony*

WorldGate's unique implementation of advanced telephony, compression, and multimedia technologies enables Ojo to produce pictures and sound that are true-to-life. The Ojo experience surpasses previous video telephony attempts by providing high-quality images and precise audio-video synchronization without the break-up and distortion normally associated with video phones.

### Quality

Ojo uses the latest video and audio codecs for superior image quality and bandwidth efficiency. The 15.5" tall display unit houses a high-resolution 16:9 LCD display, a state-of-the-art miniature camera, and advanced speakerphone technology that, combined, produce an optimal personal video phone experience.

### Breakthrough Design

Ojo is designed for the residential consumer and for small and medium businesses. A user can make IP video, PSTN or VoIP voice-only calls using a household's current ten-digit telephone number. Among Ojo's many features are an easy-to-use graphical user interface, picture-based caller ID, easily accessible video privacy controls, 2.4 GHz cordless handset, and video messaging. Ojo's unique industrial design is both stylish and functional.

### Broadband Friendly

Ojo is built for the broadband industry. The system design leverages existing cable, DSL, and fiber optic infrastructures.

### Key Features

- True-to-life video and audio quality
- Video messaging
- Picture-based caller ID and phonebook
- Use of existing household telephone number
- High-quality speakerphone with AGC and echo cancellation
- Full-featured cordless phone



# Technical Specifications

## Display Unit

### General

DC Input	12 V
DC Current	1.5 A (Typical)
Power Consumption	15 W (Typical)
AC Power Adapter	100 - 240 VAC, 50/60 Hz
Operating Temperature	10° to 40°C
Storage Temperature	0° to 70°C
Dimensions	15.5" x 9" x 8"
Weight	2.5 lb.
<b>Network</b>	
Connector	RJ-45
Protocol	TCP/IP
Ethernet Network Interface	100 Base-T
Communications Standards	SIP, TCP/IP, UDP, RTP
Security	SRTP, 128 bit AES
Call Bandwidth	150 Kbps (Typical) 80 - 350 Kbps (Adjustable)

### PSTN

Connector	RJ-11
Dialing Mode	Tone (DTMF)

### Audio

Compression (Video Calls)	iLBC
Compression (Audio Calls)	G.711

### Display

LCD Monitor	7" diagonal
Type	LCD
Resolution	480 x 856
Backlighting	Yes
Viewing Angle	+/-30°(h) +/-60°(v)

### Camera

Image Sensor	CMOS, 1/4" color
Backlight Compensation	Yes
Automatic Gain Control	Yes
White Balance	Auto

### Speakerphone

Audio Processing	Full Duplex
Echo Cancellation	Adaptive Sub-band
Audio Privacy	Yes

### Video

Resolution	176 x 144 (QCIF)
Frame Rate	30 fps (Fixed)
Compression	H.264 H.263 (Pending)

## Cordless Handset

### General

Dimensions	6.25" x 1.6" x 0.8"
Weight	5 oz.
Wireless Interface Standard	2.4 GHz
Range	100 ft.
Display	LCM

### Battery

Charge Time	12 hr.
Talk Time	6 hr.
Standby Time	96 hr.

## Regulatory

FCC Part 15, FCC Part 68, and UL certified

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